Claim 3 (once amended). The communication system as recited in claim 1, wherein the processor in the master unit interfaced to the second frequency selection unit cooperate such that a frequency corresponding to [any time slots can be] a future time slot is obtained by the processor by providing binary information about a pico-cell related address bits and clock bits corresponding to the time slot.

Claim 5 (once amended). A frequency hopping indoor wireless communication system comprising:

a master unit and a plurality of slave units;

said master unit having a plurality of link state counters C($i, j$), wherein the [states] condition of wireless links between the master unit and a slave unit are recorded in link state counters provided one for each frequency of communication $f_i$ between the master and the slave "$i$".

Claim 8 (once amended). A frequency hopping time division duplex master-slave indoor wireless communication system comprising:

a master unit having a processor and a first frequency selection unit for finding a current frequency on which to transmit and receive during a current time slot and at least a second frequency selection unit interfaced with said processor to select frequencies to be used in future time slots; and

a plurality of slave units communicating with said master unit, said master unit having a plurality of link state history counters C ($i,j$), wherein the link state counters are provided one for each frequency of communication $f_i$ between the master and the slave "$i$", wherein

(a) before transmission to a slave unit, the master unit obtains the frequencies corresponding to time slots which will be encountered in the immediate future,

(b) if the link state history counter for a scheduled slave unit at an